AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1-9. (Cancelled)

10. (New) Process for pulverizing and granulating melts, especially oxidic slag, glass or thermoplastic melts, comprising the steps of heating melts with burners in an antechamber, and ejecting said melts into a granulating chamber as a shroud surrounding a propellant stream, wherein hot combustion gases from the antechamber are mixed with the propellant stream.

11. (New) Process according to Claim 10, wherein the hot combustion gases from the antechamber are suctioned by way of an adjustable throttle cross-section into a ring chamber surrounding a propellant stream nozzle, and are ejected with the propellant stream as a core of a tube-shaped melt stream into the granulating chamber.

12. (New) Process according to Claim 10, wherein the shroud is stressed at its output into the granulating chamber, on its outside, with hot gases for stabilizing an essentially cylindrical structure of the shroud.

13. (New) Process according to Claim 11, wherein the shroud is stressed at its output into the granulating chamber, on its outside, with hot gases for stabilizing an essentially cylindrical structure of the shroud.

14. (New) Process according to Claim 10, wherein the shroud is stressed after its output into the granulating chamber, on its outside, with hot gases for stabilizing an essentially cylindrical structure of the shroud.

15. (New) Process according to Claim 11, wherein the shroud is stressed after its output into the granulating chamber, on its outside, with hot gases for stabilizing an essentially cylindrical structure of the shroud.

16. (New) Device for pulverizing and granulating melts, especially oxidic slag, glass, or thermoplastic melts, comprising

a heated antechamber (5) with an outlet opening into a granulating chamber (11), through which said outlet opening melts are ejected with a propellant stream into the granulating chamber (11);

a propellant stream nozzle (1) mounted inside the heated antechamber (5) and surrounded by a height-adjustable pipe (2) that immerses into the melt (4), wherein the pipe (2) has radial passages (10) at an axial distance from an end of said pipe (2) that is immersed in the melt (4) with formation of a ring slot to the outlet opening, which open out into a gas chamber of the antechamber (5) above the melt; and

an adjustable slide (12) surrounding the pipe (2) in axial direction (3) or in circumference direction (17) mounted for adjusting an inner passage cross-section of the passages (10).

17. (New) Device according to Claim 16, wherein the outlet opening is designed as a concentric nozzle (8) and is connected to a propellant medium connection.

18. (New) Device according to Claim 16, wherein the antechamber (5) has at least one burner (6).

19. (New) Device according to Claim 17, wherein the antechamber (5) has at least one burner (6).

20. (New) Device according to Claim 16, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented nozzles (13) are mounted.

21. (New) Device according to Claim 17, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented nozzles (13) are mounted.

22. (New) Device according to Claim 18, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented nozzles (13) are mounted.

23. (New) Device according to Claim 19, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented nozzles (13) are mounted.

24. (New) Device according to Claim 16, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented burners are mounted.

25. (New) Device according to Claim 17, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented burners are mounted.

26. (New) Device according to Claim 18, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented burners are mounted.

27. (New) Device according to Claim 19, wherein the granulating chamber (11), in an area adjacent to the outlet opening of the antechamber (5), has an inner cross-section that expands conically in which radially-oriented burners are mounted.

28. (New) Device according to Claim 20, wherein the granulating chamber (11), following the conically expanding cross-section, is designed at least partially as a radiant cooling chamber.

29. (New) Device according to Claim 24, wherein the granulating chamber (11), following the conically expanding cross-section, is designed at least partially as a radiant cooling chamber.

30. (New) Device according to Claim 16, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

31. (New) Device according to Claim 17, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

32. (New) Device according to Claim 18, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

33. (New) Device according to Claim 19, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

34. (New) Device according to Claim 20, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

35. (New) Device according to Claim 24, wherein the granulating chamber (11) surrounds a cold eddy layer (15).

36. (New) Device according to Claim 28, wherein the granulating chamber (11) surrounds a cold eddy layer (15).